



Section B:2

Analytical Services

(222-S, HASP, WSCF)

PROJECT MANAGERS

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SUMMARY

The Analytical Services (AS) Project [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of December 31, 2000. Other data is updated as noted.

NOTABLE ACCOMPLISHMENTS

Processed a total of 0.75 Analytical Equivalency Unit (AEU) at the 222-S Laboratory in December in support of the River Protection Project (RPP) (TWRS) tank characterization program. Production through December was 2.58 AEUs versus a planned 2.65 AEUs. Production through January 4, 2001 is 2.7 AEUs.

Performed 4,055 analyses through December 2000 at WSCF for a wide variety of customers. Production through January 17, 2001 was 4,635 analyses.

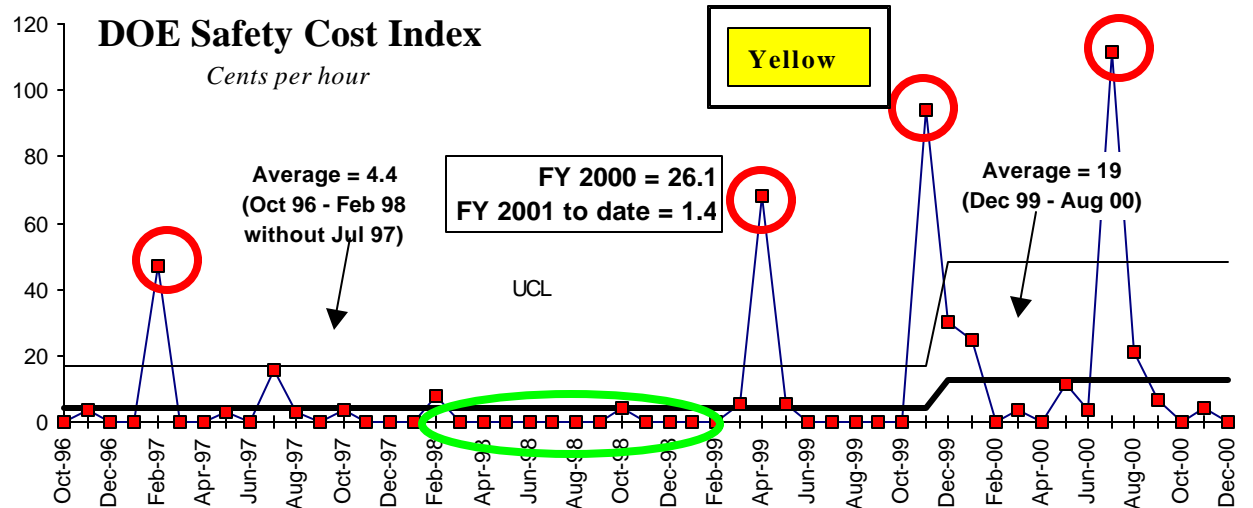
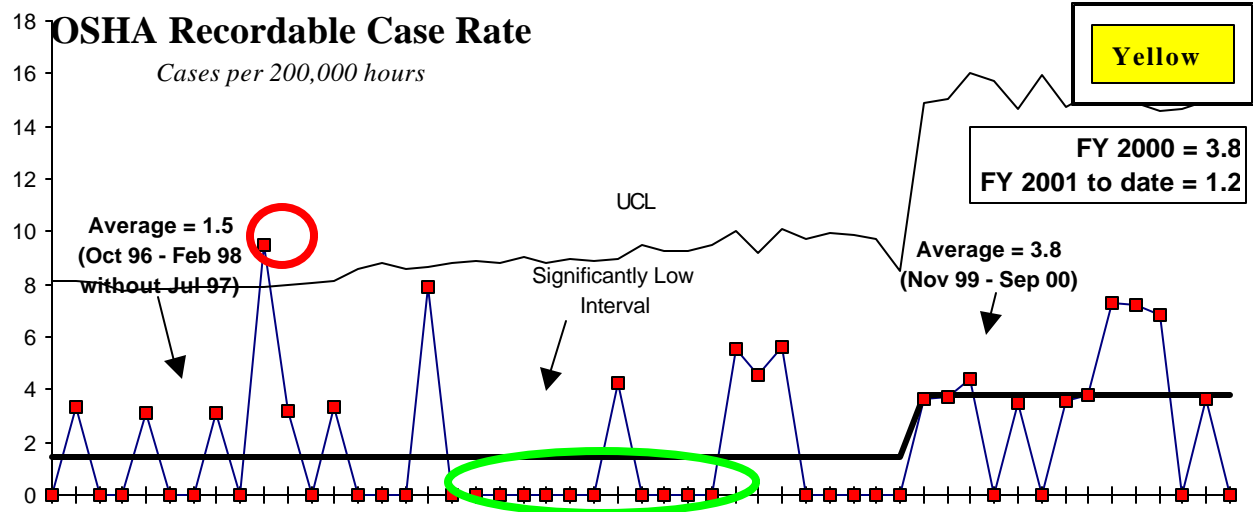
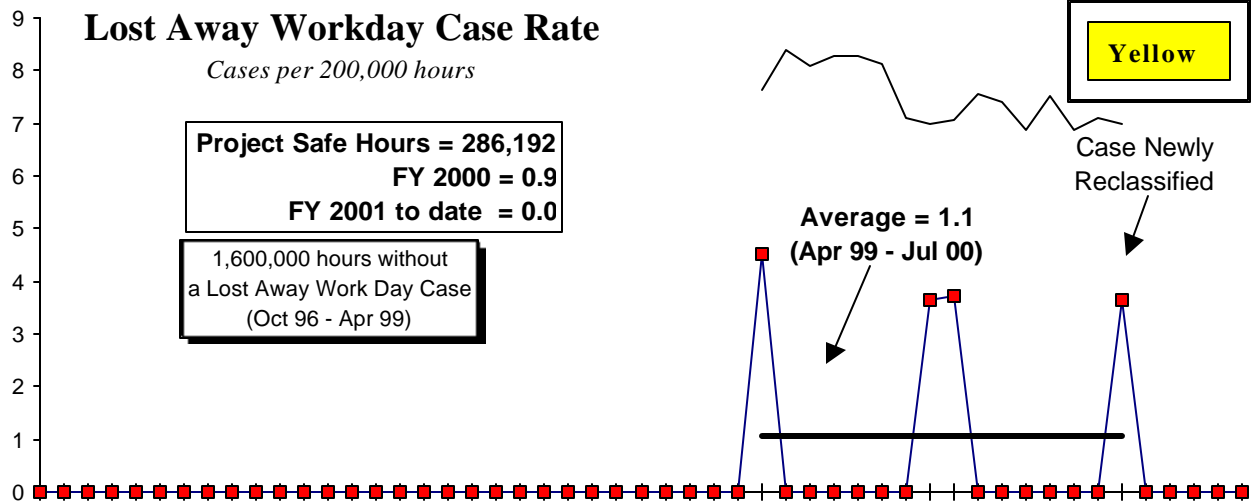
Analytical Excellence Inc is on site to begin the planning for the WSCF comparability study. The study will compare operating practices at WSCF and at commercial analytical laboratories. The contract was finalized January 12, 2001.

Analytical Services performance was recognized by RL. The Fluor Hanford Analytical Services Program (HASP) was presented a certificate of appreciation for "diligence and innovation in customer services to enable Hanford outcomes in FY2000, including excellent support to WTP planning, service agreements, 10 year capitalization plan, and delivery of a cost model." Dr. Mark Marcus and Mr. Karl Pool were also recognized for "teamwork and partnering with the sample management offices in the other Hanford contractors, ... displaying leadership, dedication, and innovation, enabling sampling and analysis for Hanford outcomes to be performed with improved efficiency and surety." Support to auditing, contracting and the National Analytical Management Program was also recognized.

WSCF performance was also recognized by RL. A plaque was presented to Mr. Lenny Perkins and Mr. Don Hardy, stating "WSCF personnel displayed dedication and persistence to enable key Hanford objectives, including the first shipments of waste to WIPP and continued operation of liquid effluent facilities, while completing move of vapor analysis for increased efficiency."

SAFETY

In December, there were no OSHA recordable cases, no Restricted Workday Case, and four First Aid Cases. An OSHA Restricted Duty injury case that occurred on July 28, 2000 at the 222-S Laboratory was reclassified to Lost Time Away from work. The employee underwent knee surgery on December 6, 2000 and did not return to work the following day. This reclassification broke the 11 million safe hour record of Fluor Hanford. Analytical Services Safety rating is yellow, due to continued Lost Away workday cases and a high OSHA recordable case rate.

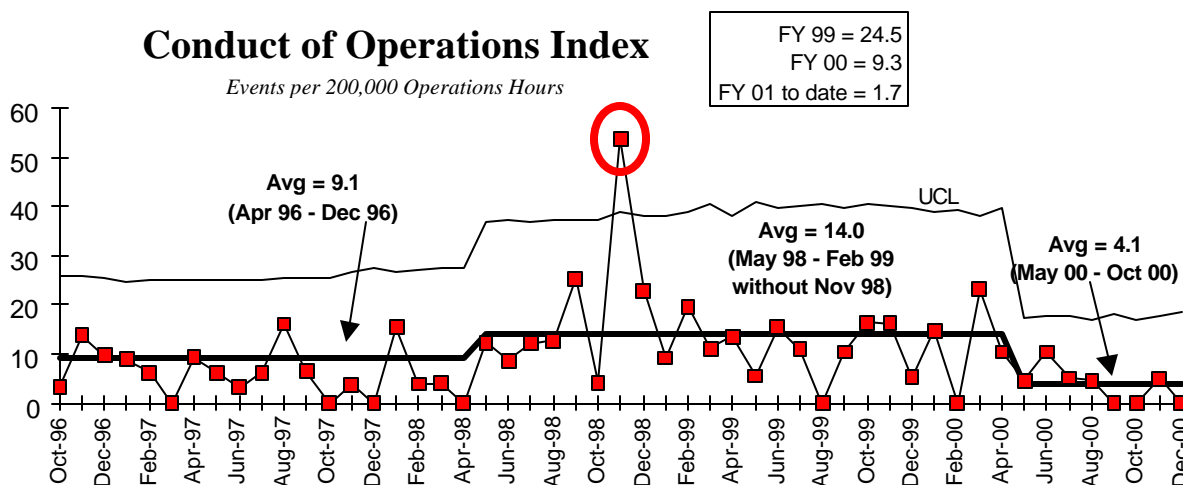


ISMS STATUS

Analytical Services ISMS status is included in the Waste Management Project Section of this report.

CONDUCT OF OPERATIONS

Green



BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT

Nothing to report at this time.

UPCOMING ACTIVITIES

WIPP Waste Shipments — Continue to support the production goal of headspace analysis in support of waste shipments to Waste Isolation Pilot Plant (WIPP). Continued discussions with Idaho National Engineering and Environmental Laboratory (INEEL) (located at Idaho Falls, ID) regarding possible support to the INEEL WIPP program.

ORP Waste Treatment Plant (WTP) — Support DOE-RL and Office of River Protection (ORP) efforts to evaluate options for long-term high-activity laboratory support to the Site cleanup mission (i.e. 222-S, WTP laboratory, a new laboratory, etc.).

222-S RCRA Part B Application — Continue to support development of Modification F (which includes 222-S Part B application) of the Hanford Facility (HF) Resource Conservation and Recovery Act of 1976 (RCRA) Permit review. Modification F will be issued after issuance of Modification E [which includes Waste Receiving and Processing (WRAP) and Central Waste Complex (CWC)].

PCB Management — Continue to work with RL and ORP on polychlorinated biphenyl (PCB) management and regulatory issues.

MILESTONE ACHIEVEMENT

Green

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	1	0	1
Total Project	0	0	0	0	0	1	0	1

Tri-Party Agreement / EA Milestones
Nothing to report at this time.
DNFSB Commitments
Nothing to report at this time.

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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Overdue – 0

Forecast Late – 0

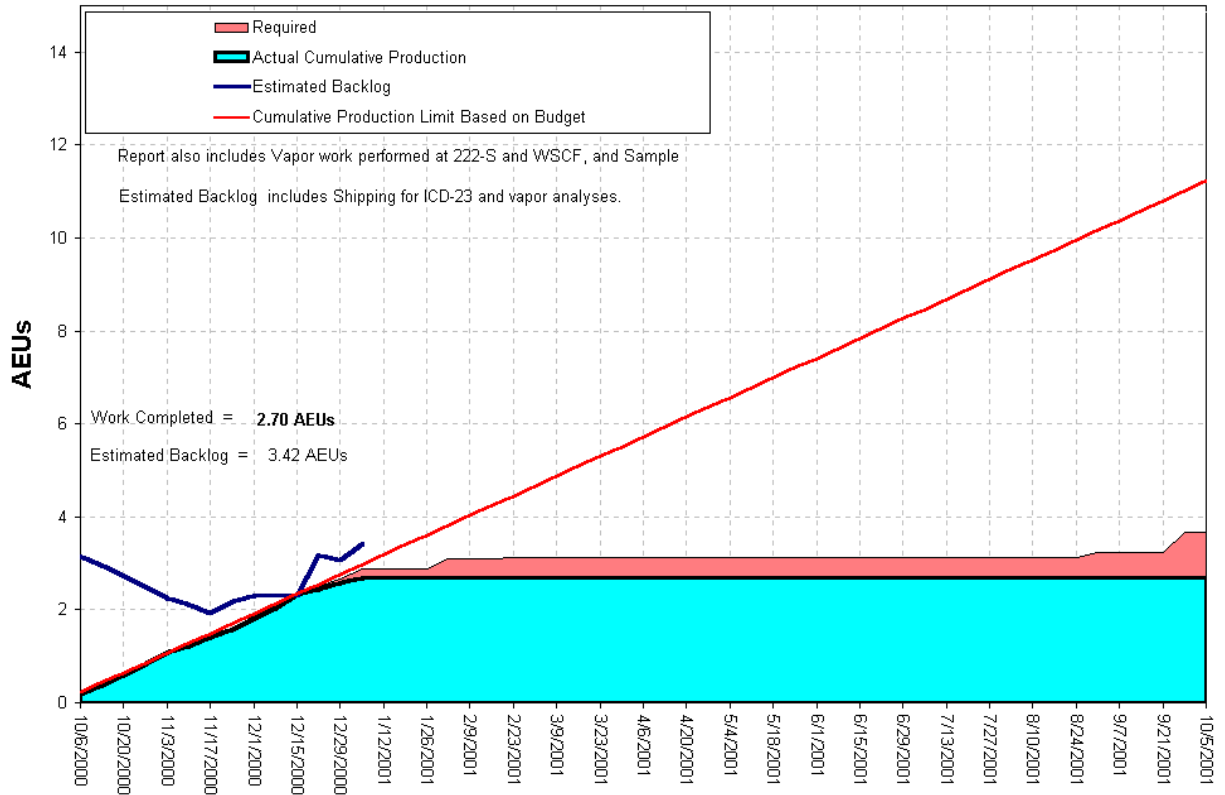
PERFORMANCE OBJECTIVES

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Laboratory Production

Budgeted Capacity vs. Actual Production - TW01

January 04, 2001



Processed a total of 0.75 AEU's at the 222-S Laboratory in December in support of the RPP (TWRS) tank characterization program. Production through December is 2.58 AEU's versus a planned 2.65 AEU's. Production through January 4, 2001 is 2.7 AEU's.

FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

		FYTD								
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
WBS 1.2.4	Analytical									
PBS WM06	Services	\$ 7,722	\$ 7,133	\$ 6,603	\$ (589)	-8%	\$ 530	7%	\$ 31,442	\$ 31,803
Total		\$ 7,722	\$ 7,133	\$ 6,603	\$ (589)	-8%	\$ 530	7%	\$ 31,442	\$ 31,803

Note: RL-Directed costs (steam and laundry) are included.

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.6 million (8 percent) unfavorable schedule variance is due to the 222-S HEPA filters and the inductively coupled mass spectrometer (ICP-MS) installation delays. Facility shutdown will be necessary for the 222-S HEPA filter installation. Due to higher plant priorities, the shutdown will be scheduled for the April-May timeframe. The prolonged procurement process for the ICP-MS will delay installation until the latter half of the fiscal year. The procurement process for the ICP-MS is ongoing.

The \$0.5 million (7 percent) favorable cost variance is due to costing delays, lagging contract costs, delays in billings of assessments and staff vacancies.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$0.6M)

Analytical Services — 1.2.4/WM06

Description /Cause: The \$0.6 million (8 percent) unfavorable schedule variance was due to the 222-S HEPA filters and the inductively coupled mass spectrometer (ICP-MS) installation delays.

Impact: None.

Corrective Action: Facility shutdown will be necessary for the 222-S HEPA filter installation. Due to higher plant priorities, the shutdown will be scheduled for the April-May timeframe. The prolonged procurement process for the ICP-MS will delay installation until the latter half of the fiscal year. The procurement process for the ICP-MS is ongoing.

Cost Variance Analysis: (+\$0.5M)

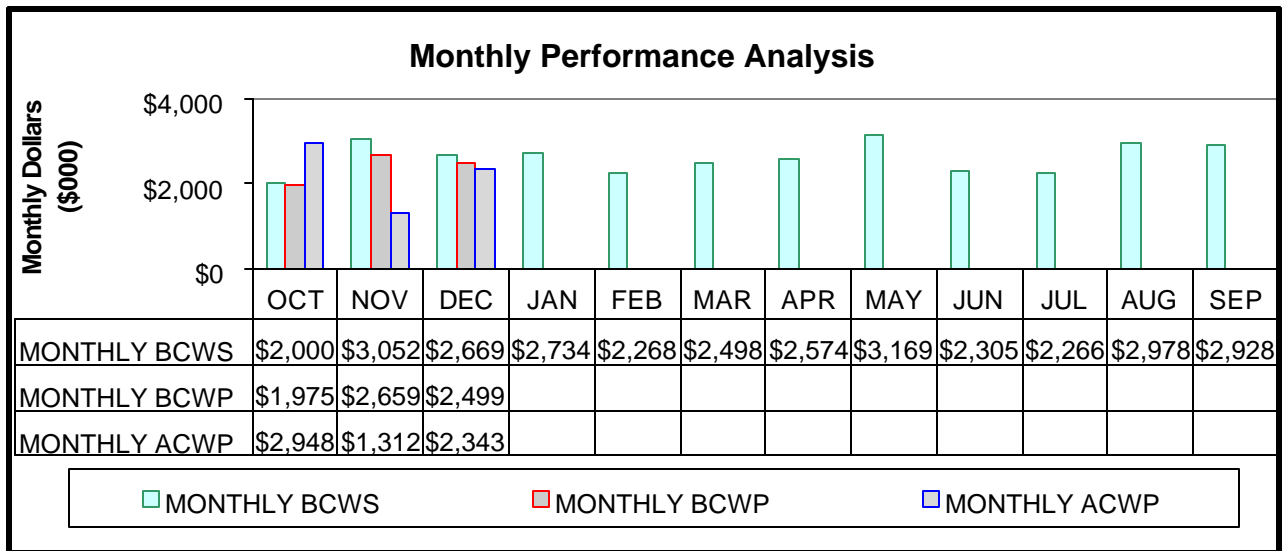
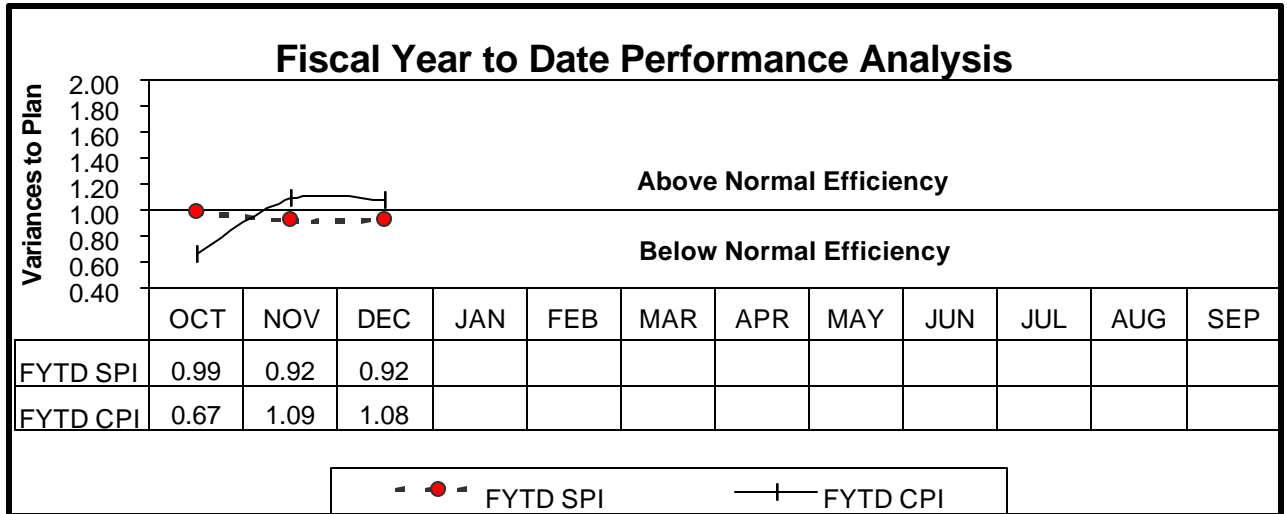
Analytical Services — 1.2.4/WM06

Description/Cause: The \$0.5 million (7 percent) favorable cost variance was due to costing delays, lagging contract costs, delays in billings of assessments and staff vacancies.

Impact: None.

Corrective Action: None required.

SCHEDULE / COST PERFORMANCE (MONTHLY AND FYTD)



FUNDS MANAGEMENT — FY 2001 TO DATE FUNDS VS SPENDING FORECAST (\$000)

Green

	Project Completion *			Post 2006 *			Line Items *		
	Funds	FYSF	Variance	Funds	FYSF	Variance	Funds	FYSF	Variance
The Plateau 1.2.4 Analytical Svcs (222-S,HASP,WSCF) WM06				\$ 30,778	\$ 31,636	\$ (858)			
Line Item									
Total Analytical Serv. Operating				\$ 30,778	\$ 31,636	\$ (858)			
Total Analytical Serv. Line Item									

* Control Point

ISSUES

Technical Issues

Nothing to report at this time.

DOE/Regulator/External Issues

Polychlorinated Biphenyls (PCBs) Management — The DOE Office of River Protection authorized CH2M Hill Group (CHG) to receive two shipments of tank waste from the Fluor Hanford operated 222-S Laboratory. This waste may contain suspect polychlorinated biphenyl (PCB's) originating from suspect PCB contaminated tank 241-SY-102. ORP issued the authorization to allow deviation from the tank farm waste acceptance criteria for the 2 shipments from the 222-S Laboratory. This enables the laboratory to receive samples from the tank and begin analyses and to manage the wastes without major costs or interference to other on-site work.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	COST IMPACT \$000	S C H	T E C H	DATE TO CCR	CCB APR'VD	RI APR'VD	CURRENT STATUS
FH-2001-001	9/12/2000	Base Ops Reduction for PHMC Projects	-\$610		X		09/13/00		Approved and implemented in Dec 2000 Approved and implemented in Dec 2000
FH-2001-002	9/25/2000	FY2001 Fee Reduction to 90%	-\$190				09/13/00		
WM-2001-004	12/18/2000	AS FY 2001 \$211K Base Operations Reduction	-\$211			01/24/01			
WM-2001-005	12/18/2000	AS FY 2001 Carryover Workslope	\$681			01/24/01			
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

KEY INTEGRATION ACTIVITIES

- Continue to support DOE-RL and ORP efforts to establish required analytical support for Waste Treatment Plant (WTP) design and operation.
- Continue to support Waste Management headspace gas analyses for transuranic (TRU) waste shipment to WIPP.